

**\* Check HW Answers:**

- 2) (a) price vs. # sold: negative, moderately strong  
(b) depth vs. pressure: positive, strong  
(c) depth vs. visibility: negative, strong  
(d) weight vs. reading: scattered
- 4) (a) time vs. cost: positive, moderate  
(b) distance vs. delay: positive, moderately strong  
(c) distance vs. brightness: negative, moderately strong  
(d) cars: weight vs. owner age: scattered
- 6) 1- scattered, little or no association  
2- moderately strong positive linear association  
3- moderately strong positive curved association  
4- moderate negative linear association

7) There is a scattered, somewhat positive, weak association between brain size and IQ. It does not appear that brain size is associated with intelligence.

8) The scatterplot shows a positive, moderately strong, curved association between year and speed. It appears that speed of horses has been increasing as time goes on, however the rate is not consistent. It seems to have leveled off over the past 30 years or so.